

S/N 10/038,125

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: CHOE, G. Examiner: Unknown
Serial No.: 10/038,125 Group Art Unit: 2652
Filed: 1/2/02 Docket No.: SJO920010040US1
501.388US01

Title: A METHOD AND APPARATUS FOR PROVIDING PRECISE
CONTROL OF MAGNETIC COUPLING FIELD IN NiMn TOP SPIN
VALVE HEADS AND AMPLITUDE ENHANCEMENT

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

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4-1-02

Michael T. Wallace

Name

Michael T. Wallace
Signature

SUBMISSION OF FORMAL DRAWINGS

Box Missing Parts
Assistant Commissioner for Patents
Washington, D.C. 20231



Dear Sir:

Enclosed herewith are eleven (11) sheet(s) of formal drawings for the above-referenced patent application in response to the communication dated February 1, 2002.

Respectfully submitted,

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Date: 4-1-02

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Title: A METHOD AND APPARATUS FOR PROVIDING PRECISE CONTROL OF MAGNETIC COUPLING
FIELD IN NiMn SPIN VALVE HEADS AND AMPLITUDE ENHANCEMENT

Docket no.: SJ09-2001-0040US1 / 501.388US01 Serial Number 10/038,125

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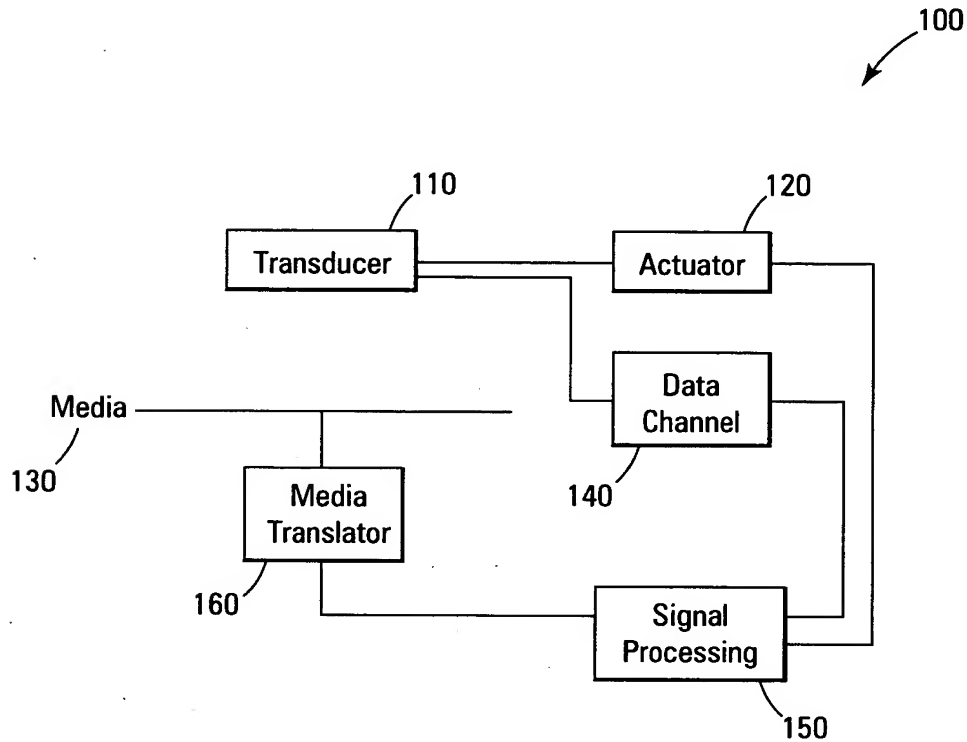


Fig. 1

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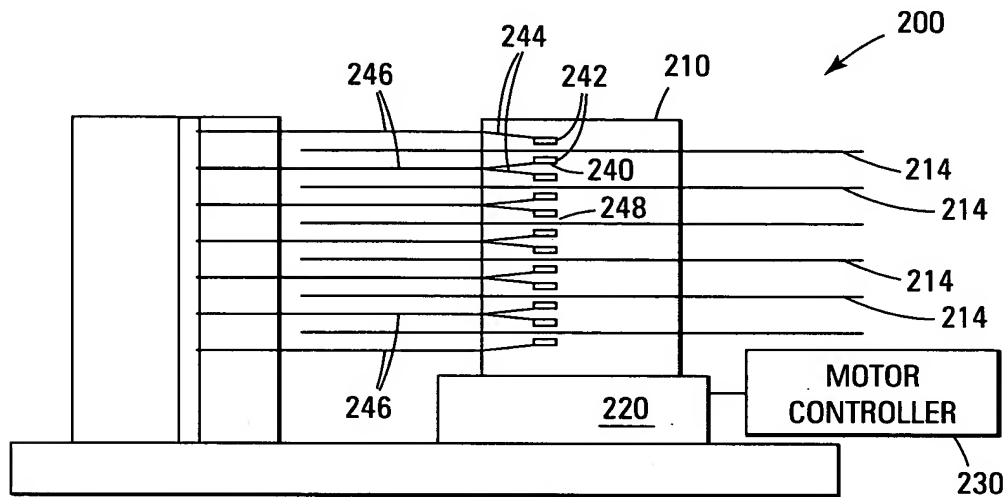


Fig. 2

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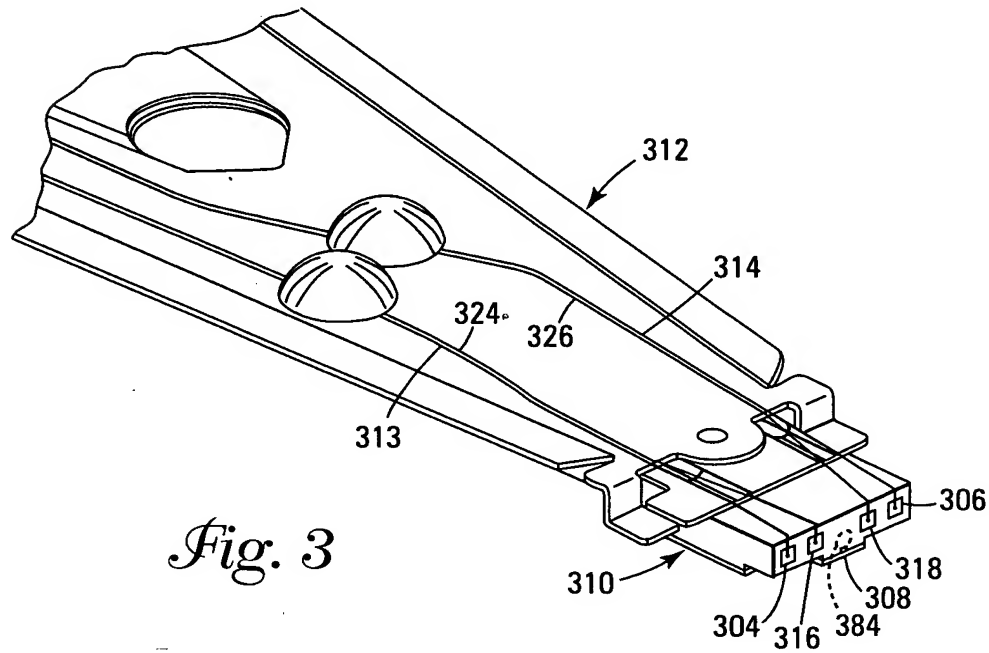


Fig. 3

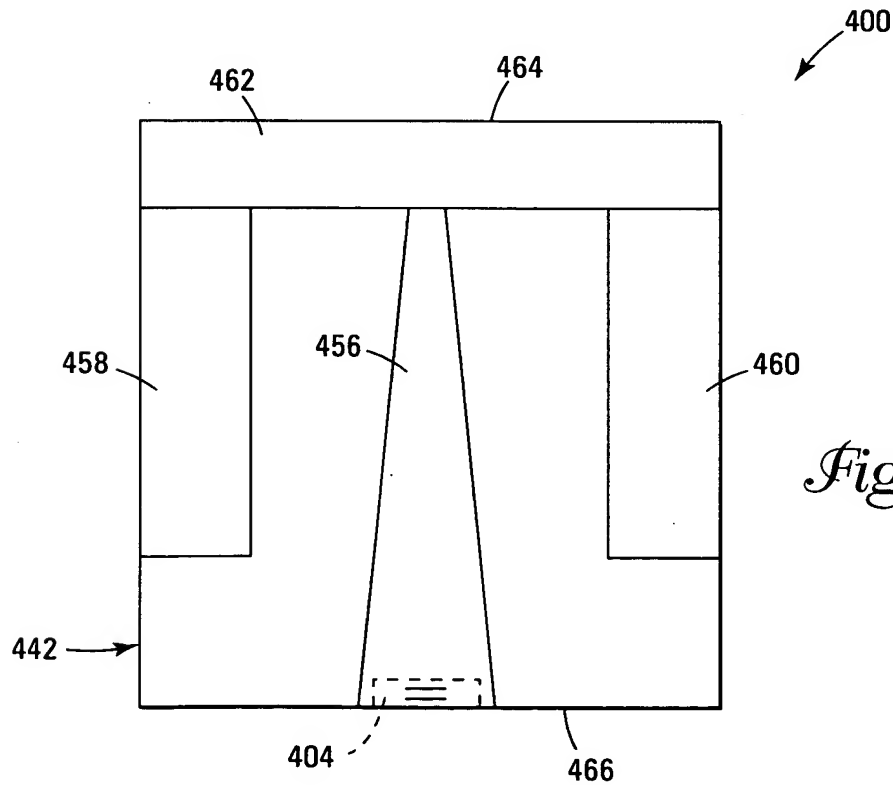


Fig. 4

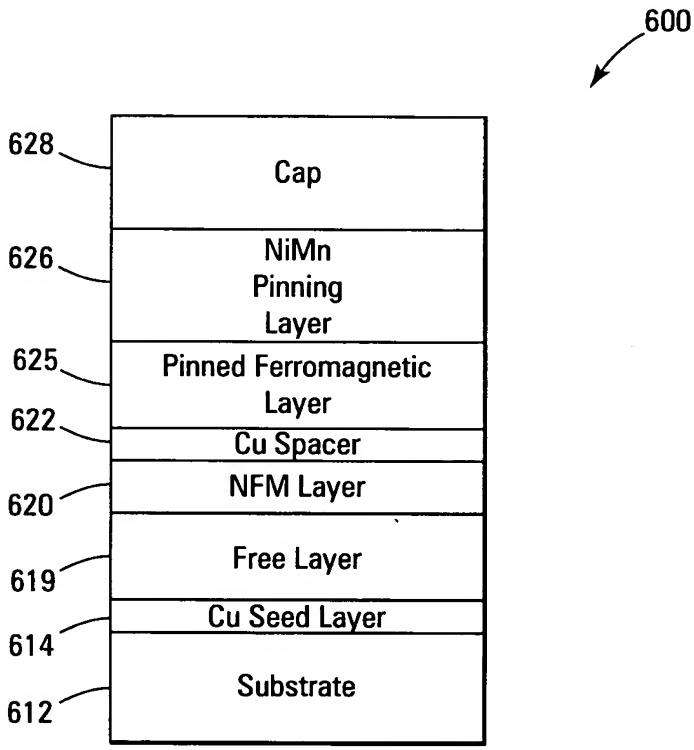
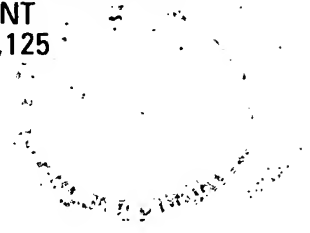


Fig. 6

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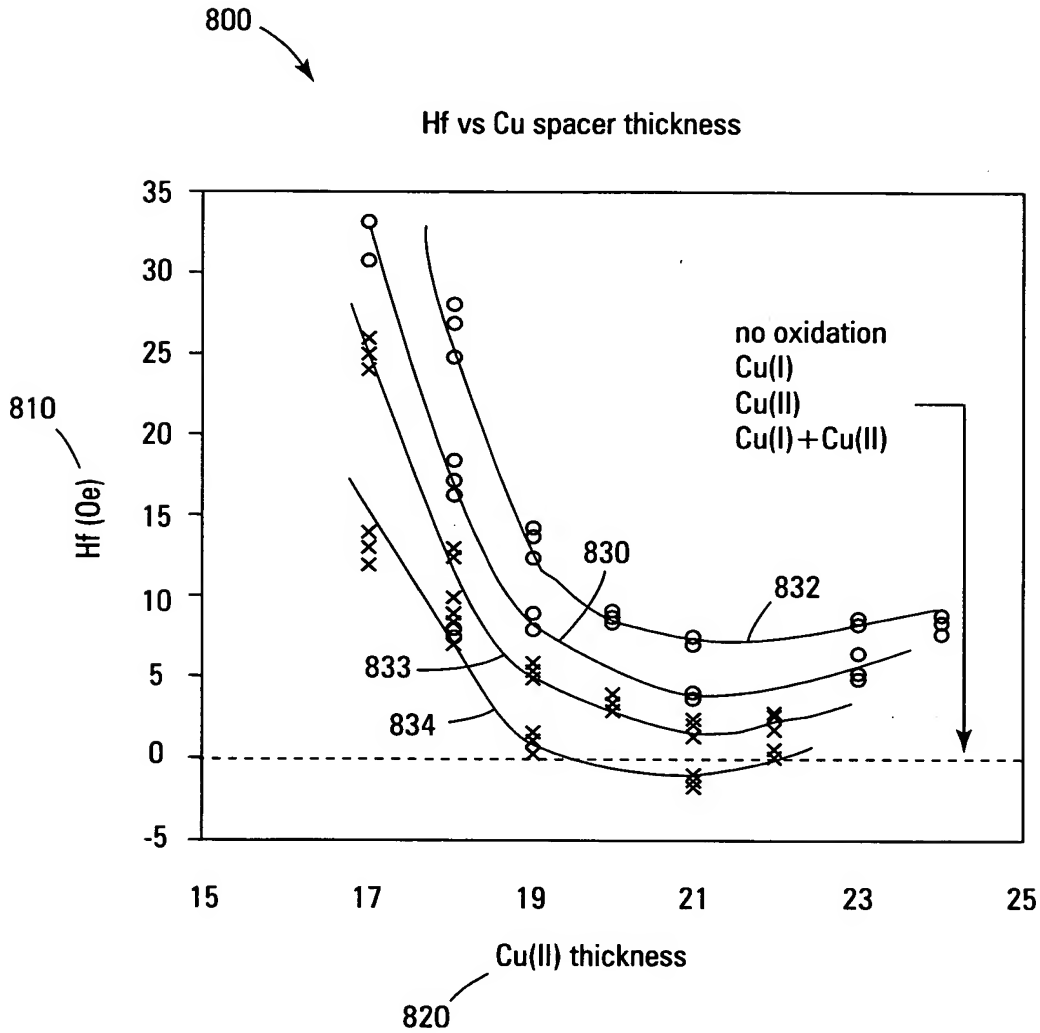


Fig. 8

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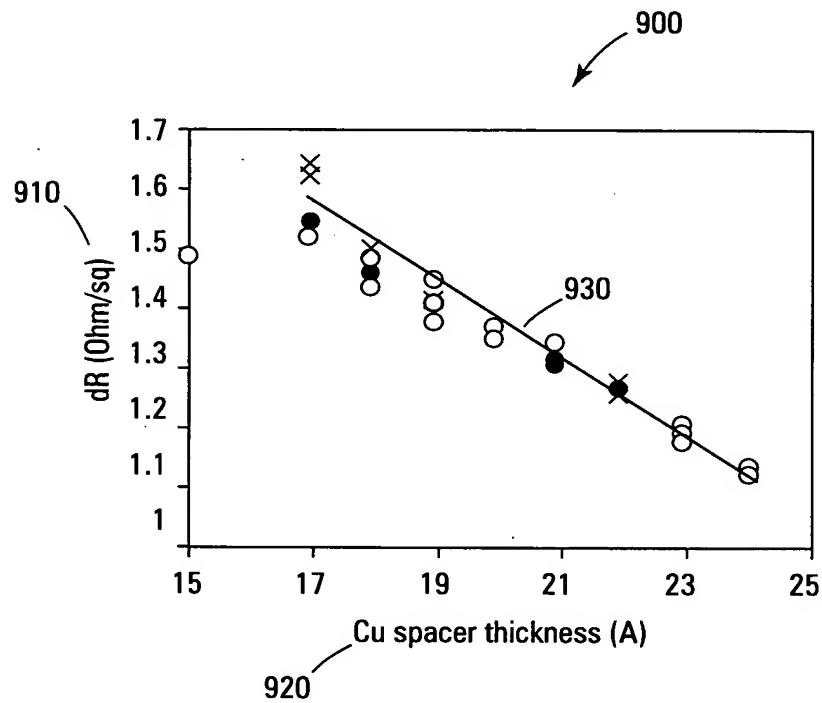


Fig. 9

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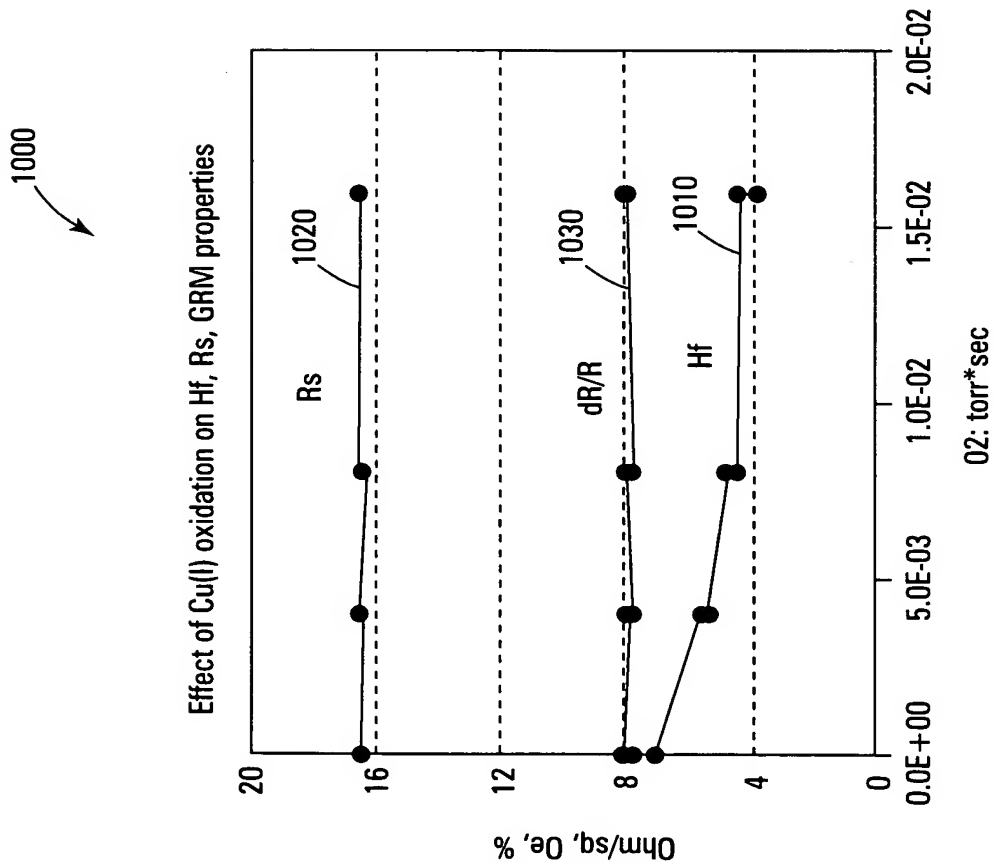
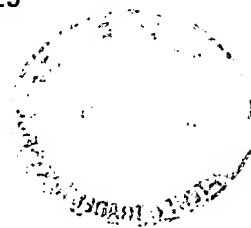
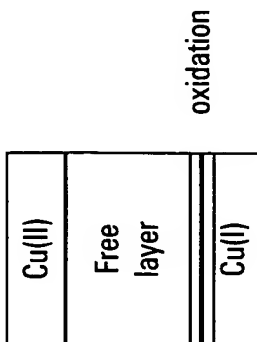


Fig. 10



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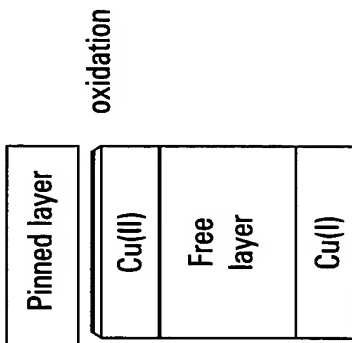
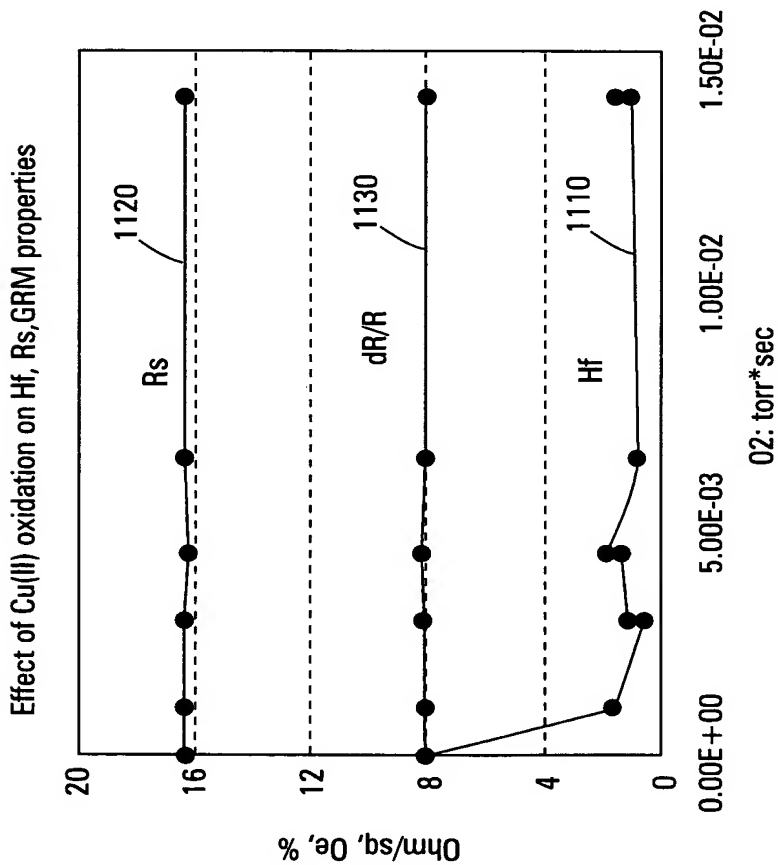


Fig. 11

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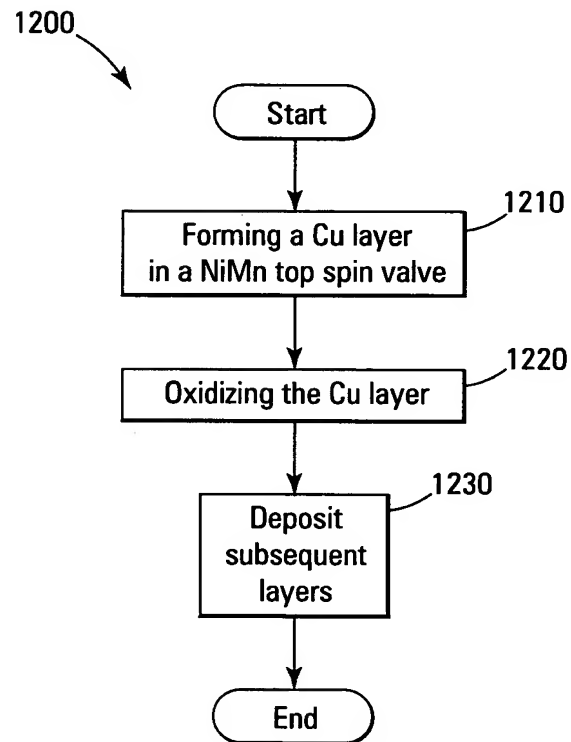


Fig. 12